

# **Material Safety Data Sheet**

Issue Date:- 25<sup>th</sup> June 2012

PRODUCT NAME: Seaguard AFFF 6%

Classified as non hazardous according to criteria of NOHSC

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

| Product Name   | Seaguard AFFF 6%   |                     |  |
|----------------|--|---------------------|--|
| Product Use    | Water based foam concentrate.                                |                     |  |
| Company Name   | SEAGUARD FIRE PROTECTION (A division of Hucon Australia Pty. |                     |  |
| Ltd.)          |  |                     |  |
| Address        | 9 Waldheim Road Baysv  | vater.              |  |
|                | VIC Australia 3153   |                     |  |
| Emergency Tel. | 03 9720 8779   |                     |  |
| Telephone      | Tel: 03 9720 8779  | Fax: (03) 9738 0132 |  |
| Number/fax     |  |                     |  |

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Information on | Fire fighting foam based on water soluble detergents. |            |                   |
|----------------|---|------------|-------------------|
| Composition    |   |            |                   |
| Ingredients    | <u>Name</u>   | CAS        | <b>Proportion</b> |
|                | Nonionic surfactant                                   | 61788-90-7 | 1-10%             |
|                | Fluorocarbon surfactant                               | 34455-09-3 | 1-5%              |
|                | Glycol ether solvent                                  | 112-34-5   | 10-15%            |
|                | Water   | N/A        | Rem.              |
|                |   |            |                   |

### 3. HAZARDS IDENTIFICATION

Classified as non hazardous according to the criteria of NOHSC and not<br/>classified as a dangerous good according to the ADG code.Risk phrases:R36 Irritating to eyes<br/>Safety phrases:S2 Keep out of reach of children.<br/>S25 Avoid contact with eyes.Hazard CategoryNil.Symptoms & EffectsOther Hazard Information:Nil

### 4. FIRST AID MEASURES

| Inhalation                               | Remove victim to fresh air. Investigate possible misuse of material. Seek medical attention.  |
|--|---|
| Ingestion                                | Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce Vomiting. Seek medical attention. Never give anything by mouth to an unconscious person |
| Eye                                      | Remove contact lenses. Immediately irrigate with copious amounts of water<br>for at least 15 minutes. Eyelids to be held open. Seek immediate medical<br>assistance.      |
| Skin                                     | Wash affected areas with water.   |
| First Aid Facilities<br>Advice to Doctor | Normal washroom facilities.<br>Treat symptomatically.   |

### 5. FIRE FIGHTING MEASURES

| Extinguishing Media  | Use extinguishing media suitable for surrounding fire situation.              |  |
|----------------------|---|--|
| Specific Hazards     | Nil.  |  |
| Precautions in       | Firefighters should wear Self-Contained Breathing Apparatus and full          |  |
| connection with Fire | protective clothing to minimise exposure. Promptly isolate the scene by       |  |
|                      | removing all persons from the vicinity of the incident if there is a fire. If |  |
|                      | safe to do so, remove undamaged containers from fire area.                    |  |

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| 6. ACCIDENTAL R                  | ELEASE MEASURES   |
|----------------------------------|---|
| Spills & Disposal                | Contain and collect using absorbent material. Small spills may be flushed to  |
|                                  | sewer. Dispose of to landfill.  |
|                                  |   |
| 7. HANDLING AND                  |   |
| Handling                         | Repeated or prolonged exposure to the concentrate without personal  |
|                                  | protection should be avoided in order to lessen the possibility of disorders.   |
|                                  | It is essential that all who come into contact with this material maintain good   |
|                                  | standards of personal hygiene ie. washing hands prior to eating, drinking or  |
| Storage                          | going to the toilet. Keep container closed and bung in place.<br>Keep containers closed when not in use and securely sealed and protected |
| Storage                          | against physical damage. Inspect regularly for deficiencies such as damage  |
|                                  | or leaks.   |
|                                  | of foaks.   |
| 8. EXPOSURE CON                  | TROLS, PERSONAL PROTECTION  |
| Exposure Limits                  | No value assigned for this specific material by the National Occupational   |
|                                  | Health and Safety Commission (NOHSC). However as with all chemicals,  |
|                                  | exposure to concentrate should be kept to the least possible levels.  |
| <b>Respiratory Protection</b>    | Not necessary for the diluted product or when handling concentrate.   |
| Eye Protection                   | Safety glasses.   |
| Hand Protection                  | Plastic or rubber gloves recommended. Incidental skin contact is not  |
| Dodry Ducto stion                | harmful   |
| Body Protection<br>Eng. Controls | N/A.<br>N/A.  |
| Other information                | No Biological Limit Value allocated.  |
| Other mormation                  | To biological Linit value anotated.   |
| 9. PHYSICAL AND                  | CHEMICAL PROPERTIES   |
| Appearance                       | Clear water white to light yellow medium viscosity liquid   |
| Odour                            | slight glycol   |
| Boiling Point                    | $100^{0}$ C   |
| Solubility in Water              | completely soluble  |
| Specific Gravity                 | $1.026@\ 20\ ^{0}C$   |
| $(H_2O = 1)$                     | T ::d   |
| Physical State                   | Liquid.<br>7.5 @ 20 <sup>0</sup> C  |
| рН                               | 7.3 @ 20 C  |
| 9. PHYSICAL AND                  | CHEMICAL PROPERTIES Cont  |
| Flash Point                      | Non flammable   |
| Flammability                     | Non flammable   |
| Flammable Limits LEL             |   |
| Flammable Limits UEL             | Non flammable   |
| 10. STABILITY AND                | REACTIVITY  |
| Stability                        | Stable under normal conditions of storage and handling.   |
| Hazardous                        | Will not occur.   |
| Polymerization                   |   |
| Materials to Avoid               | Strong oxidizing agents   |
| Hazardous                        | None known.   |
| Decomposition                    |   |
| Products                         | None known.   |
| Hazardous Reaction               | Not a fire hazard.  |
|                                  |   |
| <b>11. TOXICOLOGIC</b>           | AL INFORMATION  |
| Toxicology                       | Not available   |
| Information                      |   |

Toxicology Information

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|-----------------|---|--|
|                 | •   |  |
| Inhalation      | Ingredients are considered non hazardous when used as directed                |  |
| Ingestion       | Not a likely source of exposure, however, moderate quantities of concentrate  |  |
|                 | may cause irritation. Potential symptoms include nausea, diarrhoea,           |  |
|                 | abdominal pain and vomiting.  |  |
| Skin            | May cause skin irritation if prolonged contact with the concentrate occurs,   |  |
|                 | which can result in redness, itchiness, swelling and possibly lead to         |  |
|                 | dermatitis. Continual exposure to dilute solutions will cause loss of natural |  |
|                 | skin oils, and drying of skin.  |  |
| Eye             | The concentrate is considered an eye irritant. May cause eye soreness.        |  |
| Chronic Effects | No known adverse effects.   |  |
|                 |   |  |

### **12. ECOLOGICAL INFORMATION**

| <b>Environ.</b> Protection | Harmful to aquatic life when diluted and in concentrate form. Not harmful |  |
|----------------------------|---|--|
|                            | to birdlife   |  |
| Mobility                   | No data is available for this product.                                    |  |
| Persistence /              | No data is available for this product.                                    |  |
| Degradability              | Fully biodegradable   |  |
| Bioaccumulation            | No data is available for this product.                                    |  |
| Ecotoxicity                | No data is available for this product.                                    |  |
|                            |   |  |

#### **13. DISPOSAL CONSIDERATIONS**

Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

### **14. TRANSPORT INFORMATION**

| None allocated |
|----------------|
| None allocated |
|                |

## 15. REGULATORY INFORMATION

| Safety Phrase    | S25 Avoid contact with eyes  |  |
|------------------|--|--|
| Poisons Schedule | Nil  |  |
| AICS (Australia) | All ingredients are listed in the Australian Inventory of Chemical |  |
|                  | Substances (AICS).   |  |

### **16. OTHER INFORMATION**

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

| <b>Contact Person/Point</b> | Manager – Seaguard Tel 03 9720 8779        | Fax: (03) 9738 0132 |
|-----------------------------|--|---------------------|
| MSDS History                | MSDS Creation: 25 <sup>th</sup> June 2012. |                     |
|                             | End of MSDS                                |                     |